

—SUMMARY REPORT—

July 31, 2018

**TEMPORARY PERMIT FOR
DIVERSION AND USE OF WATER**

APPLICATION T032842 / TEMPORARY PERMIT 21385

Permittee:

City of Huron
36311 South Lassen Avenue
Huron, CA 93234

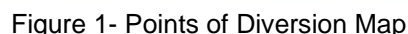
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As seen in **Figure 1**, Points of Diversion Map, the Arroyo Pasajero terminates at the WSDB along the western embankment of the San Luis Canal, a segment of the California Aqueduct. The WSDB, owned by the U.S Bureau of Reclamation (USBR) and managed by the California Department of Water Resources (DWR), is designed to store floodwater from the Arroyo Pasajero, from flows due to high precipitation. This floodwater builds up against the San Luis Canal and Gale Avenue in the WSDB and at times overflows onto adjacent private property; during large rain events. The overflow from the WSDB can flood two main roads, Lassen and Gale Avenues. Temporary pumps and unburied aluminum pipe will be placed at three locations within the WSDB, and water will be pumped from the WSDB to 34 acres of percolation ponds owned by the City and up to 504 acres of agricultural land adjacent to the WSDB. The two pumps directing water to agricultural fields (Points of Diversion [PODs] 1 & 2) would each divert at a maximum rate of 20 cfs, and the pump directing water to the City's percolation ponds (POD 3) would divert at a maximum rate of 100 gallons per minute (0.2 cfs). On the agricultural land, small, temporary berms would be plowed up to retain water on the fields for infiltration. Only previously disturbed land would be affected.



Diversion Activity for 2018

Diversion to underground storage would be measured by flow meters at the points of diversion into the infiltration areas. Beneficial use would be measured by flow meters installed at the recovery wells. The landowners of the 5,657 acres already extract groundwater for irrigation, and the project would not expand the number of acres of land under cultivation. The City receives water from the Central Valley Project (CVP) for municipal use, but during the drought the City proposed an emergency action to augment limited supplies by purchasing water from nearby land owners which was to be supplied by nearby agricultural wells, including one of the wells identified in the temporary permit application. The applicants expect all of the water stored under the temporary permit to be put to beneficial use during the following irrigation season. In the next two to three years, the City plans to construct a new municipal well to provide a back-up source of water when CVP deliveries are insufficient for the City's needs.

Actual diversions occurred April 3 through April 15, 2018. POD #2 was used with an average rate of 3.49 cfs. Total Diversions to Groundwater Recharge was 89.94 AF. As of July 31, 2018 no water has been extracted and put to beneficial use for irrigation. With irrigation needs for summer 2018, no water will be stored beyond September 30, 2018. No water will be extracted before the bylaws are in place.

There was no disturbed soil or excavation performed in the diversion process.

Agricultural Field Requirements

No water was applied to dairy land. The fields that were inundated have been operating under management practices for fertilizer application for at least two growing seasons and the field has not had fertilizer applied to it within three months prior to the diversion of water.

Flow Diversion Measurement

Diversions by the applicants were monitored at Point of Diversion number 2 (POD#2) and was monitored by Daniel Hartwig a Farm Manager and Calvin Monreal a Registered Civil Engineer.

Bylaws

The Bylaws between The City of Huron and APMWC are not attached, and no extraction has been done. The Bylaws will be sent to the Water Board when they are complete but not before the extraction of the water stored.

Tracking of Diversions

The applicants tracked the conveyance and daily irrigation diversions. The summary of the daily irrigation diversions is provided in **Table 1**-- total quantity of water diverted under this temporary permit to underground storage, daily records of the volume and the maximum rate of water diverted under this temporary permit.

TABLE 1

Temporary Number 21385

Daily Gauge and Storm Water Diversion Data for Groundwater Storage

[illegible]

Accounting of Water Extracted for Beneficial Use

The flow meter was properly installed, and was verified by Calvin Monreal and operated as designed. The following is an accounting of the distribution of the diverted water, beneficially used.

Table 2-Extraction Accounting

Stakeholder	Extraction Device	Average Extraction Flow (cfs)	Average Extraction Volume (acft)
City of Huron	N/A	0	0
APMWC	Wells	0	0

Conclusion

The total quantity of water diverted under Temporary Permit 21385 was 89.94 AF via POD #2 at an average rate of 3.49 cfs. As of July 31, 2018, no water has been extracted. All water extracted will be used for irrigation before September 30, 2018. Table 1 shows the documentation for all water diverted and Table 2 shows the extraction amounts. **Figure 1** is a map of the location and acreage of fields used for infiltration.

A copy of the APMWC Bylaws will be submitted when they are finalized, the Bylaws are expected be completed by August 31, 2018.